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(54) HIGHLY FLOWABLE, HIGH-MELTING, AND HIGHLY CRYSTALLINE
POLYPROPYLENE

(57)Abstract:

PURPOSE: To obtain a crystalline polypropylene which is easily moldable, does not contain a nucleating agent, and gives a molded article excellent in mechanical properties such as stiffness and tensile strength, transparency, and surface characteristics.

CONSTITUTION: A highly flowable, high-melting, and highly crystalline polypropylene has a melt flow index of 30 or higher, a ratio (MW/MN) of wt.- average mol.wt. (MW) to number-average mol.wt. (MN) of 8 or higher, an m.p. of 165°C) or higher, a crystallization temp. of 117°C or higher, and a heat of fusion of crystal of 107mJ/mg or higher.

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